



Form PTO-1449

U.S. Department of Commerce
Patent and Trademark OfficeAtty. Docket No.
1256-00765Appln. No.:
09/671,222

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Applicant
Hector F. DeLuca et alFiling Date
May 31, 2001Group Art Unit
1614Sheet 3 of 3
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BB		Posner et al, "Stereocontrolled Synthesis of a Trihydroxylated A Ring as an Immediate Precursor to $1\alpha,2\alpha,25$ -Trihydroxyvitamin D ₃ ," J. Org. Chem. 56, pp. 4339-4341, April 15, 1991.
		Posner et al, "2-Fluoroalkyl A-Ring Analogs of 1,25-Dihydroxyvitamin D ₃ . Stereocontrolled Total Synthesis via Intramolecular and Intermolecular Diels-Alder Cycloadditions. Preliminary Biological Testing," J. Org. Chem., 1995, 60, pages 4617-4628
		Sarandeses et al, "Synthesis of $1\alpha,25$ -Dihydroxy-19-Norprevitamin D ₃ ," Tetrahedron Letters, pp. 5445-5448, April 1992.
BB		Sicinski, Rafal R. et al, "New $1\alpha,25$ -Dihydroxy-19-norvitamin D ₃ Compounds of High Biological Activity: Synthesis and Biological Evaluation of 2-Hydroxymethyl, 2-Methyl, and 2-Methylene Analogues," J. Med. Chem., 1998, 41, pages 4662-4672

EXAMINER

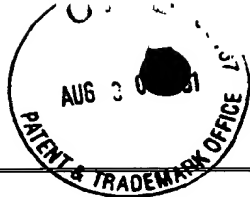
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		Filing Date May 31, 2001	Group Art Unit 1614

FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							Yes	No
B13		EP516410	12-02-82	Europe				
		EP474517	11-03-92	Europe				
		EP387077	09-12-90	Europe				
		EP184206	12-04-85	Europe				
B13		WO9601811	01-25-96	PCT				

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)	
B13	Baggiolini et al, "Stereocontrolled Total Synthesis of 1 α ,25-Dihydroxycholecalciferol and 1 α ,25-Dihydroxyerocalciferol," J. Org. Chem., 51, pp. 3098-3108, 1986.
	Bouillon et al, "Biologic Activity of Dihydroxylated 19-Nor-(Pre)Vitamin D ₃ ," Bioactivity of 19-Nor-Pre D, Vol. 8, No. 8, pp. 1009-1015, 1993.
	Chemical Abstracts, "Chemistry of Synthetic High Polymers," Vol. 110, No. 10, March 6, 1989.
	Chemical Abstracts, "2 β -Substituted Vitamin D Derivatives," Vol. 121, No. 21, November 21, 1994.
	Kiegiel et al, "Chemical Conversion of Vitamin D ₃ to its 1,25-Dihydroxy Metabolite," Tetrahedron Letters, Vol. 31, No. 43, pp. 6057-6060, 1991.
	Okano et al, "Regulatory Activities of 2 β -(3-Hydroxypropoxy)-1 α ,25-Dihydroxy-Vitamin D ₃ . A Novel Synthetic Vitamin D ₃ Derivative, on Calcium Metabolism," Biochemical and Biophysical Research Communications, Vol. 163, No. 3, pp. 1444-1449, September 29, 1989.
B13	Perlman et al, "1 α ,25-Dihydroxy-19-Nor-Vitamin D ₃ . A Novel Vitamin D-Related Compound with Potential Therapeutic Activity," Tetrahedron Letters, Vol. 31, No. 13, pp. 1823-1824, February 1990.



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U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF PPROPRIATE
BB		5,945,410 ✓	08-31-99	DeLuca et al	514	167	
		5,936,133 ✓	08-10-99	DeLuca et al	568	828	
		5,877,168 ✓	03-02-99	Miyamoto et al	514	167	
		5,849,726 ✓	12-15-98	Brenner	514	108	
		5,846,960 ✓	12-08-98	Labrie	514	169	
		5,843,928 ✓	12-01-98	DeLuca et al	514	167	
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